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MEMORANDUM

DATE: October 24, 2002

TO: Monica Tonel, Task Monitor, EPA, Seattle, WA, ECL-115

FROM: Leatta Dahlhoff, START-2 Project Manager, E & E, Seattle, WA *257 for*

SUBJ: Recommendations for Van Stone Mine/Mill Site
Upper Columbia River Mines and Mills Preliminary Assessments (PAs) and Site Inspections (SIs)
Stevens County, Washington

RE: Contract No. 68-S0-01-01
Technical Direction Document No. 01-02-0028

cc: Sharon Nickels, START-2 Project Officer, EPA, Seattle, WA
Dhroov Shivjiani, START-2 Program Manager, E & E, Seattle, WA
Mark Longtine, START-2 Project Leader, E & E, Seattle, WA

This recommendations memorandum has been developed for the Van Stone Mine/Mill Site in Stevens County, Washington as part of the Upper Columbia River Mines and Mills PAs and SIs. The Van Stone Mine/Mill is a former cadmium, lead, and zinc mine/mill that is reported to have produced sporadically from 1930 to 1956. The site contains one waste rock pile, two tailings piles, and contaminated soil. Sources at the site drain to several unnamed tributaries to Onion Creek. This creek flows into the Columbia River approximately 11.06 miles downstream of the site.

Analytical results from the PA/SI detected cadmium, copper, lead, mercury, and zinc at significant concentrations in on-site sources. Sediment samples collected from the unnamed tributaries contained both cadmium and zinc. Surface water near the site is used for drinking water. Fishing potentially occurs on Onion Creek. Further, habitat for four species protected by the Endangered Species Act and for two candidate species may occur in or along Onion Creek.

Therefore, based on the findings presented in the Upper Columbia River Mines and Mills PAs and SIs report and the accompanying Hazard Ranking System memorandums, further action under the Comprehensive Environmental Response, Compensation, and Liability Act or other authorities is recommended.

If you have any questions regarding this memorandum, please call me at (206) 624-9537.

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